

NOV 12 2003

OFFICIAL

## FAX TRANSMISSION

DATE: November 12, 2003

PTO IDENTIFIER: Application Number 09/836,392-Conf. #5189  
Patent Number

Inventor: Ruben et al.

MESSAGE TO: Examiner J. Martinell

FAX NUMBER: (703) 872-9306

FROM: HUMAN GENOME SCIENCES, INC.  
Mark J. Hyman, Reg. No. 46,789

PHONE: (240) 314-1224

Attorney Dkt. #: PT020P1

PAGES (Including Cover Sheet): 13

## CONTENTS:

1. Fax Cover Sheet (1 page);
2. Fee Transmittal Sheet (1 page);
3. Petition for Extension of Time for two months, to and including November 12, 2003 (1 page);
4. Amendment and Response Under 37 C.F.R. § 1.111 (9 pages); and
5. Certificate of Transmission under 37 C.F.R. § 1.8 (1 page).

If your receipt of this transmission is in error, please notify this firm immediately by collect call to sender at (240) 314-1224 and send the original transmission to us by return mail at the address below.

This transmission is intended for the sole use of the individual and entity to whom it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. You are hereby notified that any dissemination, distribution or duplication of this transmission by someone other than the intended addressee or its designated agent is strictly prohibited.

HUMAN GENOME SCIENCES, INC.  
9410 Key West Avenue, Rockville, Maryland 20850  
Telephone: (301) 610-5790 Facsimile: (301) 309-8439

Use in lieu of PTO/SB/17 (08-03)  
(Form updated to reflect FY 2004 fees effective 10/1/03)

FEE TRANSMITTAL for FY 2004				Complete if Known																																																																																																																																																																																																																	
Effective 10/01/2003, Patent fees are subject to annual revision.				Application Number 09/836,392-Conf. #5189 Filing Date April 18, 2001 First Named Inventor Steven M. Ruben Examiner Name J. Martinell Art Unit 1631 Attorney Docket No. PT020P1																																																																																																																																																																																																																	
TOTAL AMOUNT OF PAYMENT		(\$)		420.00																																																																																																																																																																																																																	
METHOD OF PAYMENT (check all that apply)				FEE CALCULATION (continued)																																																																																																																																																																																																																	
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account: Deposit Account Number 08-3425 Deposit Account Name Human Genome Sciences, Inc.				<b>3. ADDITIONAL FEES</b> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th colspan="2">Fee Description</th> <th>Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee (\$)</th> <th></th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> </tr> <tr> <td>1053</td> <td>190</td> <td>1053</td> <td>130</td> <td>Non-English specification</td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td>2,520</td> <td>For filing a request for expedited reexamination</td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> </tr> <tr> <td>1808</td> <td>1,840*</td> <td>1808</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td>Extension for reply within first month</td> </tr> <tr> <td>1252</td> <td>420</td> <td>2252</td> <td>210</td> <td>Extension for reply within second month</td> </tr> <tr> <td>1253</td> <td>950</td> <td>2253</td> <td>475</td> <td>Extension for reply within third month</td> </tr> <tr> <td>1254</td> <td>1,480</td> <td>2254</td> <td>740</td> <td>Extension for reply within fourth month</td> </tr> <tr> <td>1255</td> <td>2,010</td> <td>2255</td> <td>1,005</td> <td>Extension for reply within fifth month</td> </tr> <tr> <td>1401</td> <td>330</td> <td>2401</td> <td>165</td> <td>Notice of Appeal</td> </tr> <tr> <td>1402</td> <td>330</td> <td>2402</td> <td>165</td> <td>Filing a brief in support of an appeal</td> </tr> <tr> <td>1403</td> <td>290</td> <td>2403</td> <td>145</td> <td>Request for oral hearing</td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>1451</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td>Petition to revive - unavoidable</td> </tr> <tr> <td>1453</td> <td>1,330</td> <td>2453</td> <td>665</td> <td>Petition to revive - unintentional</td> </tr> <tr> <td>1501</td> <td>1,330</td> <td>2501</td> <td>665</td> <td>Utility issue fee (or reissue)</td> </tr> <tr> <td>1502</td> <td>480</td> <td>2502</td> <td>240</td> <td>Design issue fee</td> </tr> <tr> <td>1503</td> <td>640</td> <td>2503</td> <td>320</td> <td>Plant issue fee</td> </tr> <tr> <td>1460</td> <td>130</td> <td>1460</td> <td>130</td> <td>Petitions to the Commissioner</td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807</td> <td>50</td> <td>Proceeding fee under 37 CFR 1.17(q)</td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806</td> <td>180</td> <td>Submission of Information Disclosure Stmt</td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021</td> <td>40</td> <td>Recording each patent assignment per property (times number of documents)</td> </tr> <tr> <td>1809</td> <td>770</td> <td>2809</td> <td>385</td> <td>Filing a submission after final rejection (37 CFR 1.129(a))</td> </tr> <tr> <td>1810</td> <td>770</td> <td>2810</td> <td>385</td> <td>For each additional invention to be examined (37 CFR 1.129(b))</td> </tr> <tr> <td>1801</td> <td>770</td> <td>2801</td> <td>385</td> <td>Request for Continued Examination (RCE)</td> </tr> <tr> <td>1802</td> <td>900</td> <td>1802</td> <td>900</td> <td>Request for expedited examination of a design application</td> </tr> <tr> <td colspan="4">Other fee (specify)</td> <td colspan="4"></td> </tr> <tr> <td colspan="4">*Reduced by Basic Filing Fee Paid</td> <td colspan="4">SUBTOTAL (3) (\$)</td> </tr> <tr> <td colspan="4">**or number previously paid, if greater. For Reissues, see above</td> <td colspan="4">420.00</td> </tr> <tr> <td colspan="8" style="text-align: center;">(Complete if applicable)</td> </tr> <tr> <td colspan="2">SUBMITTED BY</td> <td colspan="2"></td> <td colspan="2"></td> <td colspan="2"></td> </tr> <tr> <td>Name (Print/Type)</td> <td colspan="2">Mark J. Hyman</td> <td>Registration No. (Attorney/Agent)</td> <td colspan="2">46,789</td> <td>Telephone</td> <td>(240) 314-1224</td> </tr> <tr> <td>Signature</td> <td colspan="2"><i>Mark J. Hyman</i></td> <td></td> <td colspan="2"></td> <td>Date</td> <td>November 12, 2003</td> </tr> </tbody> </table>				Large Entity	Small Entity	Fee Description		Fee Paid	Fee Code	Fee Code	Fee (\$)	Fee (\$)		1051	130	2051	65	Surcharge - late filing fee or oath	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	1053	190	1053	130	Non-English specification	1812	2,520	1812	2,520	For filing a request for expedited reexamination	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	1808	1,840*	1808	1,840*	Requesting publication of SIR after Examiner action	1251	110	2251	55	Extension for reply within first month	1252	420	2252	210	Extension for reply within second month	1253	950	2253	475	Extension for reply within third month	1254	1,480	2254	740	Extension for reply within fourth month	1255	2,010	2255	1,005	Extension for reply within fifth month	1401	330	2401	165	Notice of Appeal	1402	330	2402	165	Filing a brief in support of an appeal	1403	290	2403	145	Request for oral hearing	1451	1,510	1451	1,510	Petition to institute a public use proceeding	1452	110	2452	55	Petition to revive - unavoidable	1453	1,330	2453	665	Petition to revive - unintentional	1501	1,330	2501	665	Utility issue fee (or reissue)	1502	480	2502	240	Design issue fee	1503	640	2503	320	Plant issue fee	1460	130	1460	130	Petitions to the Commissioner	1807	50	1807	50	Proceeding fee under 37 CFR 1.17(q)	1806	180	1806	180	Submission of Information Disclosure Stmt	8021	40	8021	40	Recording each patent assignment per property (times number of documents)	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	1801	770	2801	385	Request for Continued Examination (RCE)	1802	900	1802	900	Request for expedited examination of a design application	Other fee (specify)								*Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\$)				**or number previously paid, if greater. For Reissues, see above				420.00				(Complete if applicable)								SUBMITTED BY								Name (Print/Type)	Mark J. Hyman		Registration No. (Attorney/Agent)	46,789		Telephone	(240) 314-1224	Signature	<i>Mark J. Hyman</i>					Date	November 12, 2003
Large Entity	Small Entity	Fee Description		Fee Paid																																																																																																																																																																																																																	
Fee Code	Fee Code	Fee (\$)	Fee (\$)																																																																																																																																																																																																																		
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																																																																	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																																																	
1053	190	1053	130	Non-English specification																																																																																																																																																																																																																	
1812	2,520	1812	2,520	For filing a request for expedited reexamination																																																																																																																																																																																																																	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																	
1808	1,840*	1808	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																	
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																																																																	
1252	420	2252	210	Extension for reply within second month																																																																																																																																																																																																																	
1253	950	2253	475	Extension for reply within third month																																																																																																																																																																																																																	
1254	1,480	2254	740	Extension for reply within fourth month																																																																																																																																																																																																																	
1255	2,010	2255	1,005	Extension for reply within fifth month																																																																																																																																																																																																																	
1401	330	2401	165	Notice of Appeal																																																																																																																																																																																																																	
1402	330	2402	165	Filing a brief in support of an appeal																																																																																																																																																																																																																	
1403	290	2403	145	Request for oral hearing																																																																																																																																																																																																																	
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																	
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																																																																																	
1453	1,330	2453	665	Petition to revive - unintentional																																																																																																																																																																																																																	
1501	1,330	2501	665	Utility issue fee (or reissue)																																																																																																																																																																																																																	
1502	480	2502	240	Design issue fee																																																																																																																																																																																																																	
1503	640	2503	320	Plant issue fee																																																																																																																																																																																																																	
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																																																	
1807	50	1807	50	Proceeding fee under 37 CFR 1.17(q)																																																																																																																																																																																																																	
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																																																	
8021	40	8021	40	Recording each patent assignment per property (times number of documents)																																																																																																																																																																																																																	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																																	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																																	
1801	770	2801	385	Request for Continued Examination (RCE)																																																																																																																																																																																																																	
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																																																	
Other fee (specify)																																																																																																																																																																																																																					
*Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\$)																																																																																																																																																																																																																	
**or number previously paid, if greater. For Reissues, see above				420.00																																																																																																																																																																																																																	
(Complete if applicable)																																																																																																																																																																																																																					
SUBMITTED BY																																																																																																																																																																																																																					
Name (Print/Type)	Mark J. Hyman		Registration No. (Attorney/Agent)	46,789		Telephone	(240) 314-1224																																																																																																																																																																																																														
Signature	<i>Mark J. Hyman</i>					Date	November 12, 2003																																																																																																																																																																																																														